

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
U 011415-0

SERIAL NO.: 08/913,430

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(Use several sheets if necessary)

APPLICANT: John WALKER, et al.

FILING DATE:
September 12, 1997

GROUP: --

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	NUMBER												
<i>me</i>	AA	4	8	9	4	3	3	2	1/1990	SCHALLER, et al.	435	69.3	
<i>me</i>	AB	5	2	5	2	3	2	8	10/1993	FAULDS, et al.	424	92	
	AC												
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		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES		NO
me	AL	9	0	0	7	9	3	5	7/1990	WO	A61K	39/02			
me	AM	9	1	1	5	5	9	3	10/1991	WO	C12P	21/00			
me	AN	7	0	6	8	5	8	7	10/1987	AU	C07K	15/12			
me	AO	4	9	0	3	5	9	0	10/1990	AU	C12P	21/08			
me	AP	1	7	6	0	2	9	5	10/1995	AU	C07K	14/30			

OTHER ART (Including Author, Title, Date, Pertinent Dates, Etc.)

<i>me</i>	AR	Futo, S., et al. "Molecular Cloning of a 46-Kilodalton Surface Antigen (P46) Gene from Mycoplasma
		Hypopneumoniae: Direct Evidence of CGG Codon Usage for Arginine", Journal of Bacteriology, 1995,
	AS	pp 1915-1917.
	AT	
EXAMINER	DATE CONSIDERED	<i>B.P. Swamy</i> 11/19/99

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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AR

Futo, S., et al. "Recombinant 46-Kilodalton Surface Antigen (P46) of Mycoplasma hyopneumoniae Expressed in Escherichia coli Can Be Used for Early Specific Diagnosis of Myoplasmal Pneumonia of Swine by Enzyme-Linked Immunosorbent Assay", Journal of Clinical Microbiology, March 1995, pp 680-683

EXAMINER

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BPSwift 11/19/99

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	AP							

OTHER ART (Including Author, Title, Date, Pertinent Dates, Etc.)

ms	AR	Klinkert, M., et al., "Surface Proteins of Mycoplasma hyopneumoniae Identified from an Escherichia coli Expression Plasmid Library, Infection and Immunity, August 1995, pp 329-335. ✓
ms	AS	Derwent Abstract of JP 62-273455 of November, 1987. ✓
	AT	
EXAMINER	DATE CONSIDERED	R. P. Swang 11/19/99

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AR	Derwent Abstract of JP 02-167,079 of June, 1990. /
AS	Derwent Abstract of JP 07-118167 of May, 1995. /
AT	
EXAMINER	DATE CONSIDERED <i>BP Swamy</i> 11/19/99

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MS	AR	Etheridge, J.R., " Isolation of Mycoplasma Hyopneumoniae From Lesions In Experimentally Infected Pigs", Australian Veterinary Journal, vol. 55, August, 1979, pp 356-359
MS	AS	Bordier, C., "Separation of Integral Membrane Proteins in Trinton X-114", Journal of Biochemical Chemistry, February, 1981, pp 1604-1607.
	AT	
EXAMINER	DATE CONSIDERED	MS 11/19/99

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MS	AR	Holton, T., et al., "simple and efficient method for direct cloning of PCR products using ddT-tailed vectors", Nucleic Acids Research, vol. 19, no. 5, December, 1990, p 1156.
MS	AS	Hovind-Hougen, K., Friss, N.F., Research in Veterinary Science, 1991, 51, pp 155-163, "Morphological & Ultrastructural Studies in M flocculare and M hyponeumonae in vitro".
MS	AT	Warren H.S. and Chedid, L.A., Future Prospects for Vaccine Adjuvants CRC Critical Review in Immunology 8:83-108, 1988.
EXAMINER	DATE CONSIDERED	BPSwamy 11-19-99

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